

**16:0-20:4 PE**

**1-palmitoyl-2-arachidonoyl-sn-glycero-3-phosphoethanolamine**

**850759C-25mg**

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|                          |                                                   |
|--------------------------|---------------------------------------------------|
| <b>Molecular Weight</b>  | 740.002                                           |
| <b>Chemical Formula</b>  | C <sub>41</sub> H <sub>74</sub> NO <sub>8</sub> P |
| <b>Physical State</b>    | Chloroform                                        |
| <b>Storage</b>           | -20°C                                             |
| <b>Expiration Date</b>   | Three months from date of receipt                 |
| <b>M Lot Number</b>      | 5743CJD057                                        |
| <b>Avanti Lot Number</b> | 850759C-25MG-D-057                                |

| ANALYSIS             | SPECIFICATION                                                                                                                           | RESULTS                                        |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| Physical Examination | <b>Chloroform:</b> Clear solution with no foreign matter                                                                                | Pass                                           |
| TLC                  | >99% Purity<br>Ninhydrin: positive<br>Iodine: one major spot<br>Phosphorus: positive<br>Charring: positive<br>Water dip: one major spot | All Pass                                       |
| Proton NMR           | NMR spectrum consistent with structure                                                                                                  | Consistent with structure                      |
| UV Oxidation         | NMT 5% total all wavelengths                                                                                                            | 0% total                                       |
| FAME (GC/FID)        | NLT 50% ± 5% 16:0 (AUC)<br>NLT 50% ± 5% 20:4 (AUC)<br>NLT 99% total                                                                     | 45% 16:0 (AUC)<br>55% 20:4 (AUC)<br>100% total |
| Mass Spectroscopy    | [M+H] <sup>+</sup> = 741.002 ± 1 amu                                                                                                    | [M+H] <sup>+</sup> = 740.9 amu                 |

Approved By:



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